

From bounce-tapr-bb-818@lists.tapr.org Wed May 5 14:00:00 1999
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.9) with SMTP id NAA28274
for <lyris.tapr-bb@tapr.org>; Wed, 5 May 1999 13:59:59 -0500 (CDT)
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Message-Id: <LYR818-19268-1999.05.05-14.04.22--lyris.tapr-bb@tapr.org@lists.tapr.org>
Date: Wed, 5 May 1999 14:02:28 -0500
To: "TAPR Announcement List" <tapr-bb@lists.tapr.org>
From: Greg Jones <wd5ivd@tapr.org>
Subject: [tapr-bb] Technology Demo Day (Update Announcement)
List-Unsubscribe: <mailto:leave-tapr-bb-818W@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-tapr-bb@lists.tapr.org>
List-Owner: <mailto:owner-tapr-bb@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <<http://www.tapr.org>>
Reply-To: "TAPR Announcement List" <tapr-bb@lists.tapr.org>
X-Message-Id: <v04020a03b35645eaa164@[128.83.74.103]>
Sender: bounce-tapr-bb-818@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id NAA28274

TAPR is proud to announce the first annual Technology Demo Day
sponsored by the TAPR APRS SIG.

The purpose of this event is to demonstrate technology independence at the
location of Field Day. Technologies like Packet Radio, SSTV, ATV, Spread
Spectrum, IGates and other operating modes accessed via RF means only will
be allowed, since this reflects current emergency situations at disaster
scenes in our present day world.

The 1999 Technology Demo Day is to coincide with the ARRL Field Day.

Full details are available at <http://www.tapr.org/tdfd>

1999 Technology Demo Day

- * Commercial Power Restriction
No commercial power is allowed for stations submitting a score.
- * Band of operation:
Any frequencies that are currently allowed for the mode in use. HF,
VHF, etc
- * Use of networks and digipeaters:
Digipeaters, Networks, can be used for contacts

All APRS paths allowed.
Sites must use RF (No direct Inet)

- * Participants:
Any licensed amateur radio operator may participate.
Participants that are at a direct connection to the net can participate but are not permitted to submit scores.
- * Operator Designations:
Single Operator designated by "SO".
Multi Operator by "MO"
No Operator by "NO"
- * Minimum exchange consists of:
Call Sign, ARRL section, Operator Designation (SO, MO, NO)
- * Submission of scores:
Do not send your Logs. Send only your score.
Send your score to kb2scs@worldnet.att.net or use
<http://www.tapr.org/tdfd>
Scores must be submitted within two weeks of the end of the event.
- * Points:
 - o 25 points for receiving the ARRL message in digital form
 - o 2 points for every LIVE packet QSO (packet network, conference nodes, digis, etc)
 - o 1 point for every APRS station "received"
 - o 2 points for every APRS station exchanging messages
 - o 25 points for receiving ATV signals from a range over 5 miles
 - o 25 points for transmitting ATV to another station over 5 miles
 - o 5 points for every received SSTV picture received
 - o 5 points for every transmitted SSTV contact
 - o 25 points for receiving any Satellite digital MESSAGE
 - o 25 points for transmitting any Satellite digital Message.
 - o 25 points for making a complete exchange using Spread Spectrum
 - o 5 points for each Spread Spectrum contact thereafter

Suggested Operating instructions

- * HOOK UP YOUR SPEAKER.
If you aren't listening to the packets, then you may not know what is going on the channel. TNC's do not detect collisions. DCD's do not either, so just because the little green light is OFF, does not mean the channel is not all QRM

- * Operate normally.
USE SHORT packets and MINIMUM PATH.
Use WIDEN-N where possible.
Keep hops practical for your area. (any more than 3 probably impossible)..
Work everyone you see on mail/traffic pages.
- * ACKS are not required!
If you get a QSL message from the other station, don't wait for an ACK.
Erase the outgoing message to reduce QRM!
- * Internet Gateways
The key here is that IGates only pass through MESSAGEs to LOCAL stations in their area. This means you can QSO with anyone if you already know their callsign! You will probably NOT see their posits since only messages go via IGates (normally). This is why you should always include your GRIDSQ in all of your text messages.
Here are some ways we have come up with to get around these quirks for:
 - * a) Assume an SSID of -6 for stations and guess at some APRS calls...
 - * Watch your traffic list. As soon as anyone QSO's anyone in your area, you will see them for a return QSO.
 - * Send a CQ FD MESSAGE with your GRIDSQ and report to a DIGI in a known area with an IGate. This will go through all IGates.
 - * Do a MAPS-OVERLAY-DIGIS for an area to see a good target call. (See C)
 - * Do NOT send CQFD or TARGET messages until you have exhausted all other contacts, else we may totally BLOCK the RF channels around IGates.
 - * Once you are working via IGATES, PLEASE minimize your path to ONLY the hops needed to hit your local IGate.
 - * Home Stations If you are not going to operate, please set up your UN-ATTENDED home station for AUTOREPLY with something like 'QSL. [gridsq].(NO), ARRL section, etc. For APRSdos this simply means send ONE message to the callsign of REPLY and make sure this message is the first in your SEND list.

APRSÆ is registered to Bob Bruninga, WB4APR.

Tucson Amateur Packet Radio
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e-mail: tapr@tapr.org web: <http://www.tapr.org/>
ftp: [ftp.tapr.org](ftp://ftp.tapr.org)
phone: 940-383-0000 fax: 940-565-2544

Greg Jones, WD5IVD Austin, Texas
wd5ivd@tapr.org <http://www.tapr.org/~wd5ivd>

You are currently subscribed to tapr-bb as: lyris.tapr-bb@tapr.org
To unsubscribe send a blank email to leave-tapr-bb-818W@lists.tapr.org

From bounce-tapr-bb-818@lists.tapr.org Tue May 11 22:28:09 1999
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.9) with SMTP id WAA26118
for <lyris.tapr-bb@tapr.org>; Tue, 11 May 1999 22:28:09 -0500 (CDT)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Message-Id: <LYR818-20436-1999.05.11-22.32.47--lyris.tapr-bb@tapr.org@lists.tapr.org>
Date: Tue, 11 May 1999 21:54:45 -0500
To: "TAPR Announcement List" <tapr-bb@lists.tapr.org>
From: Greg Jones <wd5ivd@tapr.org>
Subject: [tapr-bb] TAPR Dayton Activities 1999
List-Unsubscribe: <mailto:leave-tapr-bb-818W@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-tapr-bb@lists.tapr.org>
List-Owner: <mailto:owner-tapr-bb@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <<http://www.tapr.org>>
Reply-To: "TAPR Announcement List" <tapr-bb@lists.tapr.org>
X-Message-Id: <v04020a04b35e9c7baf93@[128.83.74.103]>
Sender: bounce-tapr-bb-818@lists.tapr.org
Precedence: bulk

TAPR Dayton Activities 1999
for details visit: <http://www.tapr.org/tapr/html/Fdayton.html>

We will be at our normal booth spaces (542 & 543)
Come on by and say hi!

Friday Morning - TAPR Digital Forum
Friday Evening - TAPR PACK*BASH

TAPR Digital Forum on Friday

The schedule for the TAPR digital forum is:

10:00 - 10:05am (5 min)

Introduction to Forum, John Ackermann, N8UR

10:05 - 10:30am (25min)

TAPR Update, Greg Jones, WD5IVD

10:30 - 11:00am (30 min)

Linux AX.25 Update, John Ackermann, N8UR

11:00 - 11:30am (30 min)

PIC Development Update, Steve Bible, N7HPR and John Hansen, W2FS

11:30 - 12:00noon (30 min)

GPS Projects, Steve Bible, N7HPR

12:00noon - 12:30pm (30 min)

Compact Flash Card Project, John Koster, W9DDD

12:30 - 1:00pm (30 min)

TAPR APRS News, Steve Dimse, K4HG and Stan Horzepa, WA1LOU

1:00pm - 1:45pm (45 min)

FHSS Radio Project Update, Tom McDermott, N5EG

Attending the 1999 Dayton Hamvention? Then don't miss out on PACK*BASH!

What?

An event for the digitally-inclined ham, featuring:

- * Buffet dinner
- * "A Little Technology Goes a Long Way" -- Keynote address
by Dave Pederson, N7BHC
- * TAPR special interest group meetings
- * "Birds of a Feather" gatherings

When?

Friday evening, May 14, 1999

Doors open at 7:00 pm; dinner served at 7:30 pm

Speaker and meetings after dinner

Where?

NCR "Sugarcamp" Conference Center, 101 W. Schantz Ave. --

South of downtown Dayton, just west of Main St. (Rt 48).

Maps available on the TAPR web site (www.tapr.org) or at the TAPR booth.

How?

Dinner requires advance registration and payment through TAPR.

Tickets will be available at the TAPR booth on Friday. The cost is \$20.00 per person, tax and tip included.

All amateurs are welcome to attend, enjoy the speaker, and participate in the meetings, although only those purchasing a dinner can eat.

Who?

PACK*BASH is co-sponsored by TAPR -- Tucson Amateur Packet Radio, the national leader in digital communication -- and the Miami Valley FM Association, Dayton's packet radio club.

Greg Jones, WD5IVD
for the APRS Working Group

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APRS Working Group

Mission Statement

APRS, developed by Bob Bruninga, WB4APR, is an Amateur Radio digital infrastructure for realtime and tactical digital communications. It is designed to provide communications during emergencies, but it is recognized to support routine round-the-clock global communications as well. Its applications include mapping, messaging, telemetry, and tracking. It uses a standard protocol over RF links, supplemented by alternate communication methodologies.

The APRS Working Group

The APRS Working Group ("Group") is an unincorporated association whose members undertake to further the use and enhance the value of the APRS protocols by (a) maintaining and publishing a formal APRS Protocol Specification; (b) publishing validation tests and other tools to enable compliance with the Specification; (c) supporting an APRS Certification program; and (d) generally working to improve the capabilities of APRS within the Amateur Radio community. This document describes the organization and operation of the Group.

Although the Group may receive support from TAPR or other organizations, it is an independent body and is not affiliated with any organization. The Group will have no budget, collect no dues, and own no assets.

Statement of Principles

At a meeting near Baltimore, Maryland on May 1-2, 1999, and in email communications in the days following, the Group members agreed to the following principles that will govern their behavior and that of the Group:

1. Bob Bruninga has been the primary developer of the APRS concept. He owns the APRSdos computer program, the APRSdos documentation, and the APRS trademark, and retains the right to license these items to others.
2. All Group members agree that in the spirit of Amateur Radio, the on-air protocols themselves should be open to general Amateur Radio development and not be restricted by copyright.
2. Existing agreements between or among APRS developers are unaffected by this Charter.
3. The Group will formalize the APRS on-air Protocol Specification and

publish a definitive APRS protocol document. Present plans are to make the specification in book and diskette form, and possibly to provide it via electronic distribution.

4. A process will be put in place to define how changes to the protocol specification are made, and that process will permit input, review, and comment by the Amateur Radio public.

5. The Group will put a voluntary APRS certification process in place, to be managed by Bob Bruninga with Group oversight. The process will include a publicly available validation suite.

Protocol Committee

The APRS Protocol Specification is the formal definition of the data elements and message formats used to communicate between APRS devices via wireless or wired (e.g., Internet) connections. It does not include user interface or other elements that do not affect the content or format of these interface components.

The Protocol Committee, which presently consists of all APRS-WG Members, is responsible for the APRS Protocol Specification. It manages the process for publishing and updating the Specification, and for receiving public comment on proposed changes.

The Protocol Committee intends to publish Version 1.0 of the APRS Protocol Specification by the end of October 1999. The first draft of the Specification will be made available to the Amateur Radio community by the end of June 1999, and comments will be accepted as defined below.

Committee Operations and Community Input

Input from the APRS user community, other APRS developers, and the amateur community at large is a key component of the protocol development process. Once the process has been formally defined it will be announced and published.

Certification Committee

The Group wants to encourage the development of products that properly implement the APRS protocols. To that end, the Certification Committee, which is initially composed of all Group members, will establish a Certification Program. Certification is wholly voluntary on the part of an APRS product developer, and the Certification Program is available on an equal basis to any developer.

The full certification process and schedule will be announced and published shortly after Dayton. Some of the points of certification include:

1. The Committee will develop and approve a Validation Suite, which will be the primary basis for Certification. The Suite will consist of test inputs and a description of how a product complying with the Protocol

Specification should react to each of these inputs. The suite will be based on the TAPR TNC-2 packet display format. The Validation Suite will be made available to the public without charge.

2. Bob Bruninga will manage the Certification Program on behalf of the Committee, subject to oversight by the Committee.

3. Subject to compliance with a Certification Agreement that must be signed before Certification is granted, Certified Products will be permitted to display or be advertised in conjunction with an "APRS Certified" trademark and logo. The trademark and logo are owned by Bob Bruninga and are licensed subject to the Certification Agreement.

4. Certified Products must successfully complete the Validation Suite, but applicants must acknowledge that additional testing may be necessary to ensure that a given Product properly implements the Protocol Specification, and agree to reasonably cooperate with such testing.

5. The Certification process is largely self-managed. The applicant must run the validation suite and submit results with the application. The Committee will conduct such testing as it deems necessary to verify the Product's conformance to the Protocol Specification.

Full details regarding membership to APRS-WG, meeting and voting process, protocol committee, and the certification process will be made available once the rules have been fully developed.

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You are currently subscribed to tapr-bb as: lyris.tapr-bb@tapr.org
To unsubscribe send a blank email to leave-tapr-bb-818W@lists.tapr.org

From bounce-tapr-bb-818@lists.tapr.org Mon May 31 13:14:37 1999
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.10) with SMTP id NAA08962
for <lyris.tapr-bb@tapr.org>; Mon, 31 May 1999 13:14:36 -0500 (CDT)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Message-Id: <LYR818-23578-1999.05.31-13.20.10--lyris.tapr-bb@tapr.org@lists.tapr.org>
Date: Mon, 31 May 1999 13:14:11 -0500
To: "TAPR Announcement List" <tapr-bb@lists.tapr.org>
From: Greg Jones <wd5ivd@tapr.org>
Subject: [tapr-bb] 1999 TAPR Digital Forum @ HamVention
List-Unsubscribe: <<mailto:leave-tapr-bb-818W@lists.tapr.org>>
List-Software: Lyris Server version 3.0
List-Subscribe: <<mailto:subscribe-tapr-bb@lists.tapr.org>>
List-Owner: <<mailto:owner-tapr-bb@lists.tapr.org>>

X-List-Host: Tucson Amateur Packet Radio <<http://www.tapr.org>>
Reply-To: "TAPR Announcement List" <tapr-bb@lists.tapr.org>
X-Message-Id: <[v04020a00b37880b1c986@\[24.93.57.45\]](mailto:v04020a00b37880b1c986@[24.93.57.45])>
Sender: bounce-tapr-bb-818@lists.tapr.org
Precedence: bulk

The audio from the TAPR Digital Forum held during the 1999 Dayton Hamvention is now available for listening. If you couldn't make the forum this year, you can catch up on all the talks.

<http://www.tapr.org/tapr/html/Fdayton99.html>

Welcome to the TAPR Digital Forum
John Ackermann, AG9V, Forum Moderator

TAPR Kit/Project/Organizational Update
Greg Jones, WD5IVD (www)

Linux AX.25
John Ackermann, N8UR

PIC-E Developments
Steve Bible, N7HPR (www) and John Hanson, W2FS

GPS Projects
Steve Bible, N7HPR (www)

Compact Flash Adapter
John Koster, W9DDD

APRS Update
Steve Dimse, K4HG and Stan Horzepa, WA1LOU

TAPR 900Mhz FHSS Radio Project
Tom McDermott, N5EG

in addition Dave Pedersen, N7BHC, talk on "A Little Technology Goes a Long Way" during the TAPR PacketBASH on Friday is available.

Cheers - Greg Jones, WD5IVD

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phone: 940-383-0000 fax: 940-565-2544

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